



# JUAN MARTÍN MARCENARO

## CIVIL ENGINEER



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## ACADEMIC BACKGROUND

## JOB EXPERIENCES

## LANGUAGES

## PUBLICATIONS

## SKILLS & EXPERTISE

- Civil Engineer, University of Buenos Aires (UBA) (2015 - 2021).
- Remote Sensing and GIS Specialist, Faculty of Agronomy, University of Buenos Aires (In progress, expected completion date: July, 2025).
- Colegio San Pablo, High School Diploma. Buenos Aires City. (2010 - 2014).
- Instituto Niño Jesús . Saladillo, Buenos Aires Province. (2003 - 2009).

- Independent consultant with expertise in geospatial science, web implementation, data analysis, statistics, and machine learning models. Specifically, I have participated in projects related to hydrology, hydraulics, and remote sensing. (August 2023 - Present).
- Civil Engineer at Hydraulic Models and Studies at Agua y Saneamientos Argentinos S.A. (AySA) (December 2021 - May 2024).
- Engineering Technical Assistant in sanitation projects at Latinoconsult. (December 2020 - December 2021).
- Teaching Assistant at Hydrology at the University of Buenos Aires (UBA). (March 2019 - Present).
- Internship at the National Water Institute (INA) on tasks related to hydrometry. (August 2019 - May 2020).

- Advanced english level.
- Cambridge Advanced English (CAE) - Level C1. (2019)
- Intensive 9-week course at Kaplan International Institute, London, UK. Proficiency level certificate. (January to March 2019)

- Lumped flood routing through an interactive web app. Full Paper Author, LACCEI 2023, Buenos Aires Argentina.
- Mathematical Modeling of the Riachuelo and Berazategui Outfalls. Coauthor, International Symposium on Outfall Systems (ISOS 2023). Buenos Aires, Argentina.

- Data Science Career at Coderhouse.
- Spatial Data Infrastructures at National Geographic Institute (IGN).
- Geostationary satellites in hydrometeorology at Gulich Institute.
- Introduction to the use of satellite images at Cambalache.
- Spatial databases with PostGIS at Cambalache.
- Training in radiometric indices based on RGB visible bands at National Institute of Agricultural Technology (INTA).
- Proficiency in Geographic Information Systems (GIS).
- Advanced skills in Microsoft Office Suite.
- Advanced programming skills in Python, SQL, Google Earth Engine (GEE), GDAL, JavaScript, HTML, Git and CSS.
- Engineering-related softwares: AutoCAD, Civil 3D, SWMM, Epanet, HEC-RAS, HEC-HMS, Delft 3D.